

1 IN THE CLAIMS

2 Please cancel claims 1-30.

3

4 Please add the following new claims:

5

6 --31. An improved artificial nail composition comprising:

7 (a) from about 0.1-98.5% by weight of at least one

8 multicarbonyl-vinyl containing monomer; and

9 (b) from about 5-98% by weight of at least one ethylenically
10 unsaturated monomer.

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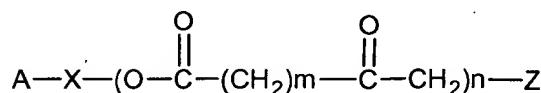
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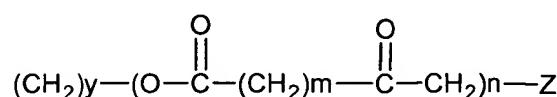
1 32. An improved artificial nail composition according to claim
2 31, wherein said mult carbonyl-vinyl containing monomer has the
3 formula:

$$\begin{array}{c}
 & & R_3 \\
 & | & \\
 CH_2=C & & \\
 & | & \\
 & R_4 &
 \end{array}$$

11 wherein R₃ is H, a C₁₋₃₀ straight or branched chain alkyl, aryl,
12 aralkyl; and R₄ is



15 or



21 wherein A =



24 or,

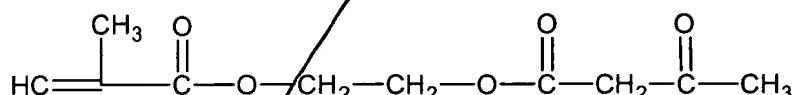


27 X = C₁₋₃₀ straight or branched chain alkyl, m is 1 to 5, n is 1 to
28 30, y is 0 to 50; and z = H or a C₁₋₃₀ straight or branched chain

E
cont'd

1 alkyl.

*Sue
SP
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6*
2 33. An improved artificial nail composition according to claim
3 31, wherein said mult carbonyl-vinyl containing monomer has the
4 formula:



9 34. An improved artificial nail composition according to claim
10 31, said composition further comprising from about 0.001-5% by
11 weight of a polymerization accelerator.

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13 35. An improved artificial nail composition according to claim
14 34, wherein said polymerization accelerator is selected from the
15 group consisting of aromatic tertiary amines and aliphatic
16 tertiary amines.

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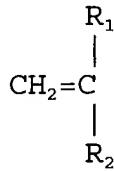
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R1
contd

1 36. An improved artificial nail composition according to claim
2 wherein said ethylenically unsaturated monomer has the
3 formula:



10 wherein R₁ is H, a C₁₋₃₀ straight or branched chain alkyl, aryl,
11 aralkyl; R₂ is a pyrrolidone, or a substituted or unsubstituted
12 aromatic, alicyclic, or bicyclic ring where the substituents are
13 C₁₋₃₀ straight or branched chain alkyl, or COOM wherein M is H, a
14 C₁₋₃₀ straight or branched chain alkyl, pyrrolidone, or a
15 substituted or unsubstituted aromatic, alicyclic, or bicyclic
16 ring where the substituents are C₁₋₃₀ straight or branched chain
17 alkyl which may be substituted with one or more hydroxyl groups,
18 or [(CH₂)_mO]_nH wherein m is 1-20, and n is 1-200.

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20 *Sue*
21 37. An improved artificial nail composition according to claim
22 31, wherein said ethylenically unsaturated monomer comprises from
about 50-98.5% by weight of a methacrylate monomer and from about
23 5-20% by weight of a hydroxyalkyl methacrylate monomer.

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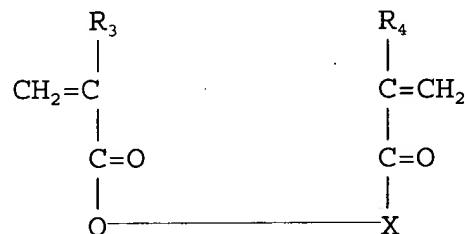
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1 38. An improved artificial nail composition according to claim
2 31, wherein said ethylenically unsaturated monomer is a
3 difunctional monomer having the formula:



wherein R₃ and R₄ are each independently H, a C₁₋₃₀ straight or branch chain alkyl, aryl, or aralkyl; and X is [(CH₂)_xO_y]_z wherein x is 1-20, and y is 1-20, and z is 1-100.

39. An improved artificial nail composition according to claim 31, wherein said ethylenically unsaturated monomer is selected from the group consisting of trifunctional acrylates, trifunctional methacrylates, polyfunctional acrylates and polyfunctional methacrylates.

40. An improved artificial nail composition according to claim 31, said composition further comprising from about 0.001-5% by weight of a plasticizer.

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1 41. An improved artificial nail composition according to claim
2 40, wherein said plasticizer is selected from the group
3 consisting of esters, low volatility solvents, nonionic organic
4 surfactants and silicones.

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6 42. An improved artificial nail composition according to claim
7 31, said composition further comprising a component selected from
8 the group consisting of UV absorbers and polymerization
9 regulators.

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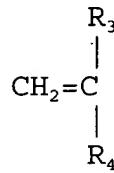
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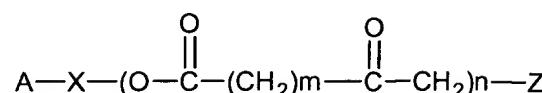
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1 43. An improved artificial nail composition comprising:

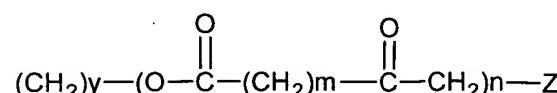
2 (a)



9 wherein R_4 is



_3 or



.8 wherein A =



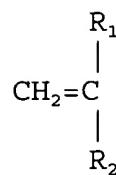
21 or,



25 X = C₁₋₃₀ straight or branched chain alkyl, m is 1 to 5, n is 1 to
26 30, y is 0 to 50; and z = H or a C₁₋₃₀ straight or branched chain
27 alkyl; and

El cont'd

1 (b)



8 wherein R₁ is H, a C₁₋₃₀ straight or branched chain alkyl, aryl,
9 aralkyl; R₂ is a pyrrolidone, or a substituted or unsubstituted
10 aromatic, alicyclic, or bicyclic ring where the substituents are
11 C₁₋₃₀ straight or branched chain alkyl, or COOM wherein M is H, a
12 C₁₋₃₀ straight or branched chain alkyl, pyrrolidone, or a
13 substituted or unsubstituted aromatic, alicyclic, or bicyclic
14 ring where the substituents are C₁₋₃₀ straight or branched chain
15 alkyl which may be substituted with one or more hydroxyl groups,
16 or [(CH₂)_mO]_nH wherein m is 1-20, and n is 1-200.

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18 44. An improved artificial nail composition according to claim
19 43, said composition further comprising from about 0.001-5% by
20 weight of a polymerization accelerator.

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22 45. An improved artificial nail composition according to claim
23 44, wherein said polymerization accelerator is selected from the
24 group consisting of aromatic tertiary amines and aliphatic
25 tertiary amines.

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E1 cont'd

1 46. An improved artificial nail composition according to claim
2 43, said composition further comprising from about 0.001-5% by
3 weight of a plasticizer.

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5 47. An improved artificial nail composition according to claim
6 43, wherein said plasticizer is selected from the group
7 consisting of esters, low volatility solvents, nonionic organic
8 surfactants and silicones.

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10 48. An improved artificial nail composition according to claim
11 43, said composition further comprising a component selected from
12 the group consisting of UV absorbers and polymerization
13 regulators.--

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